

## Patent claims

1. Housing for receiving printed circuit boards, whose components form at least part of a communication system, with a housing cover (3) and a connection area (11)  
5 accessible from outside, with a main printed circuit board (8) being arranged between of a base housing part (2) and of a cover part (4) and in an extension area (12) of the main printed circuit board (8) plug-in devices (23) being provided for at least one extension printed circuit board  
10 (18), characterized in that, to cover the extension area (12) a first hood (5) is provided which features push-through openings (14) towards the connection area (11), which in an assembled state correspond with plug-in devices (24) on the at least one extension circuit board (18), with  
15 the first hood (5) being able to be latched onto the cover part (4) by means of a lock connection (39) and the lock connection (39) only being able to be released again if a tool is used to do so.
2. Housing in accordance with claim 1, characterized in that,  
20 to cover the connection area (11) a second hood (6) is provided, which can be connected to the cover part (4) by means of releasable snap-in connection (37, 38).
3. Housing in accordance with claim 1 or 2, characterized in that the base housing part (2) features guides (7)  
25 extending through the main printed circuit board (8) and the main printed circuit board (8) is held between a support edge (22) of the base housing part (2) and the cover part (4) by clamping.
4. Housing in accordance within one of the previous claims,  
30 characterized in that plug-in devices (17) are provided on the face of the main printed circuit board (8), by means of

which an electrical connection with at least a second extension printed circuit board (28) is established.

- 5     5. Housing in accordance with one of the previous claims, characterized in that the push-through openings (14) are arranged on the part of the wall of the first hood (5) facing towards the connection area.
- 10    6. Housing in accordance with one of the previous claims, characterized in that the push-through openings (14) are provided by rectangular break outs in the part of the wall towards the connection area and are provided with a starting bevel (30).
- 15    7. Housing in accordance with one of the previous claims, characterized in that the cover part (4), the first and/or second hood (5,6) is manufactured by injection molding.
- 15    8. Housing in accordance with one of the previous claims, characterized in that the cover part (4), the first and/or second hood (4,4) is manufactured in one piece from polymer plastic in each case.
- 20    9. Housing in accordance with one of the previous claims, characterized in that the first hood (5) and the second hood (6) are curved in a convex shape in a central area running concentrically to the center longitudinal axis (10).
- 25    10. Housing in accordance with one of the previous claims, characterized in that, in the assembled state the first hood (5) and the second hood (6) adjoin side wall sections (15,16) of the cover part (4) to form a continuous surface.
11. Housing in accordance with one of the previous claims, characterized in that keyhole-shaped cutouts (25) for wall

mounting are provided on the base housing part (2).

12. Housing in accordance with one of the previous claims, characterized in that, on the cover part (4) in side restrictions of the connection area (11) runner-shaped starting surfaces (36) are embodied.

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